

WHAT IS CLAIMED IS:

1 1. A universal monitor to be mounted in a tire of a vehicle, the
2 monitor for use in a remote tire pressure monitoring system for the vehicle, the
3 monitor comprising:
4 a sensor for sensing tire pressure;
5 a storage device for storing a plurality of codes, each code comprising
6 at least a data format; and
7 a transmitter in communication with the sensor and the storage
8 device, the transmitter for transmitting a wireless signal including data representing
9 the sensed tire pressure, wherein the wireless signal is transmitted by the transmitter
10 according to at least one of the stored plurality of codes.

1 2. The monitor of claim 1 further comprising a receiver in
2 communication with the storage device, the receiver for receiving a program signal
3 for use in selecting one of the plurality of codes according to which the wireless
4 signal is transmitted by the transmitter.

1 3. The monitor of claim 2 wherein the receiver comprises a port for
2 receiving the program signal.

1 4. The monitor of claim 3 further comprising an external interface
2 for connecting to the port and transmitting the program signal.

1 5. The monitor of claim 2 wherein the program signal has a low
2 frequency, and the receiver comprises a low frequency receiver.

1 6. The monitor of claim 2 further comprising a remote transmitter
2 for transmitting the program signal for receipt by the receiver.

1 7. The monitor of claim 6 wherein the program signal has a low
2 frequency, the receiver comprises a low frequency receiver, and the remote
3 transmitter comprises a low frequency transmitter.

1 8. The monitor of claim 1 wherein the wireless signal is transmitted
2 by the transmitter according to each of the stored plurality of codes.

1 9. The monitor of claim 1 further comprising a receiver for mounting
2 on the vehicle, the receiver for receiving the wireless signal transmitted by the
3 transmitter, wherein the receiver is configured to recognize a wireless signal
4 transmitted according to one of the plurality of codes.

1 10. The monitor of claim 2 further comprising a receiver for
2 mounting on the vehicle, the receiver for receiving the wireless signal transmitted
3 by the transmitter, wherein the receiver is configured to recognize a wireless signal
4 transmitted according to one of the plurality of codes.

1 11. A universal monitor to be mounted in a tire of a vehicle, the
2 monitor for use in a remote tire pressure monitoring system for the vehicle, the
3 monitor comprising:
4 a sensor for sensing tire pressure;
5 a receiver for receiving a program signal, the program signal
6 comprising one of a plurality of codes, each code comprising at least a data format;
7 and
8 a transmitter in communication with the sensor and for transmitting
9 a wireless signal including data representing the sensed tire pressure, wherein the
10 wireless signal is transmitted according to the one of the plurality of codes received
11 by the receiver.

1 12. The monitor of claim 11 further comprising a storage device in
2 communication with the receiver and the transmitter, the storage device for storing
3 the one of the plurality of codes received by the receiver.

1 13. The monitor of claim 11 wherein the program signal has a low
2 frequency, and the receiver comprises a low frequency receiver.

1 14. The monitor of claim 11 further comprising a remote transmitter
2 for transmitting the program signal for receipt by the receiver.

1 15. The monitor of claim 14 wherein the program signal has a low
2 frequency, the receiver comprises a low frequency receiver, and the remote
3 transmitter comprises a low frequency transmitter.

1 16. The monitor of claim 11 wherein the receiver comprises a port
2 for receiving the program signal.

1 17. The monitor of claim 16 further comprising an external interface
2 for connecting to the port and transmitting the program signal.

1 18. The monitor of claim 11 further comprising a receiver for
2 mounting on the vehicle, the receiver for receiving the wireless signal transmitted
3 by the transmitter, wherein the receiver is configured to recognize a wireless signal
4 transmitted according to the one of the plurality of codes.

1 19. A universal monitor to be mounted in a tire of a vehicle, the
2 monitor for use in a remote tire pressure monitoring system for the vehicle, the
3 monitor comprising:
4 a sensor for sensing tire pressure;
5 a storage device for storing a plurality of codes, each code comprising
6 at least a data format; and
7 a transmitter in communication with the sensor and the storage
8 device, the transmitter for transmitting a series of wireless signals including data
9 representing the sensed tire pressure, wherein each of the series of wireless signals
10 is transmitted according to a different one of the stored plurality of codes.

1 20. The monitor of claim 19 further comprising a receiver for
2 mounting on the vehicle, the receiver for receiving the series of wireless signals
3 transmitted by the transmitter, wherein the receiver is configured to recognize one
4 of the series of wireless signal transmitted according to one of the plurality of codes.